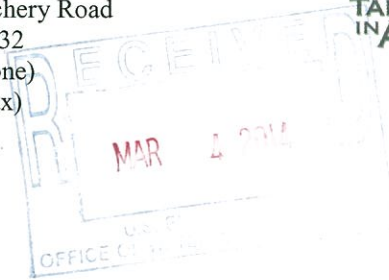




United States Department of the Interior
FISH AND WILDLIFE SERVICE

Hagerman National Fish Hatchery
3059 D National Fish Hatchery Road
Hagerman, Id 83332
208-837-4896 (Phone)
208-837-6225 (Fax)



February 28, 2014

U.S. EPA
Region 10
1200 Sixth Ave. Suite 900
Seattle, WA 98101

Re: Updated NOI for NPDES Permit ID-G-13-0004

To Whom it may concern:

Enclosed is a copy of our Notice of Intent (NOI) to discharge under the existing National Pollutant Elimination System (NPDES) permit number ID-G-13-0004. We are currently operating under the extended 2007-2012 permit pending issuance of a new permit. This NOI is being updated in anticipation of adding a new aquaculture structure (3- 30ft. circular tanks) at Hagerman National Fish Hatchery will should start construction around February 2014 and be online by June 2014. Our 39-118 review has been approved by IDEQ at this time.

In addition we would like to request the addition of Formalin to our list of chemicals at a maximum daily use of approximately 200 gallons for treatment of fish.

Should you have any questions, please feel free to contact me by phone, fax, or email. My email address is craig_eaton@fws.gov

Sincerely,

Craig Eaton
Project Leader

**NOTICE OF INTENT TO OPERATE UNDER NPDES GENERAL PERMIT ID-G13-0000 FOR
AQUACULTURE FACILITIES AND ASSOCIATED FISH PROCESSING FACILITIES IN IDAHO**

Submission of this document constitutes notice that the party identified under Operator Name intends to be covered by the general permit authorizing discharges from aquaculture activities in Idaho and obligates the permittee to comply with the terms and conditions of the permit.

Facility Owner/Operator Information:

Operator Name: Craig Eaton	Phone:
Address: See facility information	Fax:
	E-Mail Address: craig_eaton@fws.gov
	County:
Owner Name (if different from operator): U.S. Fish and Wildlife Service	Phone:
Address:	Fax:
	E-Mail Address:
	County:

Facility Information:

Facility Name: Hagerman National Fish Hatchery	Phone: 208-837-4896
Address (attach area map):	Fax: 208-837-6225
3059-D National Fish Hatchery Rd.	E-Mail Address: (see operator information)
Hagerman, ID 83332	County: Gooding

Previous Facility Names and Dates of Change of Name in Past Five Years: N/A

New Permittees Only

Facility Latitude: (to 15 seconds of a degree): N/A
Facility Longitude: (to 15 seconds of a degree): N/A

Operations & Production Information

Describe the facility to be covered by the permit:

* Number of concrete raceways: 138 area: 77,140 square feet

Number of earthen-bottomed ponds: 0 area: 0

Number of off line settling basins: 2 area: 22,816 square feet

Number of full flow settling basins: 0 area: 0

Number of quiescent zones: 138

Number of fish processing lines: 0

**Number of Circular Tanks: 3- 30 foot diameter X 6 ft deep tanks (100 fpp – 4.5 fpp) = 11,655 cuft.

**Number of rectangular troughs for Incubation/Early Rearing (<100fpp) = approx. 430 cuft.

* Includes nursery tanks. (20 concrete tanks and 40 fiberglass)

**Rearing volume available in Recirculating Aquaculture System located in RAS building (see attached map)

Project the numbers of operating days for the facility on a monthly basis throughout the calendar year:

Month	01	02	03	04	05	06	07	08	09	10	11	12
# Days	31	28	31	30	31	30	31	31	30	31	30	31

Aquaculturists, list the species contained, grown or held at your facility. For each species include projected weight of production for the five year term of the permit based upon historical operations and design capacity.

Species	Year One Weight (lbs)	Two	Three	Four	Five
Steelhead	346,000	346,000	346,000	346,000	346,000
Rainbow Trout	20,000	20,000	20,000	20,000	20,000

Project the Feed Usage in next 5 years? Avg Wgt per Month 29,000 Avg Wgt per Year 346,000

Max Wgt per Month: 90,000 Max Wgt per Year: 408,000

Fish Processors. **Not Applicable**

List the species of fish processed at your facility. For each species include the projected weight of whole fish processed for the five year term of the permit based upon historical operations and design capacity:

Species:	Year One, Weight (lbs)	Two	Three	Four	Five


Drugs, Disinfectant & Other Chemicals. List all projected types & maximum daily amounts used in next 5 years.

Name: **See attached list**

Name:

Name:

Name:

Description of Discharge		
Describe the number & nature of outfalls (attach sketch, diagram or photo):		
See attached map		
Water Sources and Flow Through the Facility & Time Period (e.g., 12 cfs minimum, and 15 cfs maximum between June 15 and September 30 in a typical year from True Springs)		
Primary Source: See Attached	Mm flow:	Max flow:
Secondary Source:	Mm flow:	Max flow:
Name(s) of Receiving Water to which Outfall Discharges: Riley creek, tributary to Bickle irrigation ditch, tributary to Oster lakes, tributary to Riley creek, tributary to *Watershed –Upper Snake Rock Pollutants allocated-see attached note on seasonal effluent limitations	Larger Receiving Water Downstream: Snake River Snake River	
NPDES Permit No: IDG130004	IDA License Number: N/A	
Other Number(s) Assigned to Facility and Source: N/A	DWR Water Right Number: See Attached List	
Initial Submittals Which Are Attached		
<input type="checkbox"/> Waiver Request <input checked="" type="checkbox"/> Location Map, also showing all outfall and monitoring location(s) <input type="checkbox"/> Best Management Practices Plan Certification (for new permittees only)		
SIGNATURE AND CERTIFICATION		
I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations."		
Signature: 	Title/Company: Hatchery Manager U.S. Fish and Wildlife Service	
Print Name: Craig Eaton	Date: 2/22/2014	Check One: Owner _____ Operator <input checked="" type="checkbox"/>

Attach additional pages, as necessary.

Following is a list of chemical uses to be accounted for in the Notice of Intent to be covered under the NPDES General Permit Number ID-G-13-0004 submitted by the Hagerman National Fish Hatchery on October 31, 2013.

Drugs, Disinfectant & Other Chemicals	Maximum Daily Amount to be Used	Method of Waste Water Disposal
chlorine bleach (6.0%) - used for tank disinfection	400 ml	Waste water is directed to off-line settling basin (OLSB).
chlorine bleach (6.0%) - used for disinfection of marking trailers and raceways	16 gallons	Waste water is neutralized and directed to the OLSB.
chlorine bleach (6.0%) - used for disinfection of equipment and tanker trailers	54 gallons	Waste water is neutralized with sodium thiosulfate and is then land applied.
iodophore (10% polymeric iodine complex)	1.0 gallon	Waste water is neutralized with sodium thiosulfate and is then land applied.
sodium thiosulfate (CAS 7772-98-7)	340 pounds	Waste water may be land applied or directed to OLSB.
Argent Chemical Laboratories AHyamine 1622"	300 ml	Waste water may be land applied, directed to septic system, or to OLSB.
Argent Chemical Laboratories AFinquel," A.K.A. MS-222	200 grams	Waste water is land applied.
vaccines (for inoculation against enteric redmouth, furunculosis, or <i>Aeromonas hydrophila</i>)	15 liters of each type of vaccine	Waste water is land applied.
anti-foam (5% polydimethylsiloxane solution)	50 ml	Waste water is land applied.
anti-foam (5% polydimethylsiloxane solution)	1,000 ml	Waste water is released with the fish into Idaho rivers and reservoirs.

(Continued)

Projected uses of chemicals, continued:

Drugs, Disinfectant & Other Chemicals	Maximum Daily Amount to be Used	Method of Waste Water Disposal
Terramycin feed additive (oxytetracycline)	29.4 lbs	Fish waste is diverted to OLSB.
Romet-30 feed additive	59.6 lbs	Fish waste is diverted to OLSB.
Romet-B feed additive	86.2 lbs	Fish waste is diverted to OLSB.
Nuflor feed additive (florfenicol)	1,000 ml	Fish waste is diverted to OLSB.
Reward (Diquat dibromide)	9 gallons - Treatment concentration is 2.0 mg/l (active ingredient).	Effluent is directed to either the OLSB system or to Riley Creek.
Chloramine T INAD water treatment	20 ppm per raceway	Neutralized with 3 parts Sodium Thiosulfate and discharged to OLSB or to Riley Creek
Potassium Permanganate (KMnO₄) – water treatment	2 ppm per raceway	Discharged to OLSB or to Riley Creek
Aquaflor – Florenfenicol feed additive	3 lbs	Fish Waste is diverted to OLSB
Virkon	4 oz.	Waste water is land applied
Formalin	200 gallons	Diluted and discharged to Riley Crk.

Seasonal Effluent Limitations

	<u>Net TSS</u>		<u>Net Total P</u>	
	<u>Avg. Monthly</u>	<u>Max Daily</u>	<u>Avg. Monthly</u>	<u>Max. Daily</u>
Jan-Apr.	2068.2	3929.5	17.8	26.3
May-Aug.	697.4	1325.1	6.0	8.9
Sept-Dec.	1487.0	2825.3	12.8	18.9

U.S. Fish and Wildlife Service Water Rights at Hagerman National Fish Hatchery				
Spring Name	IDWR No.	Volume	Purpose	Priority Date
Bickel Spring Creek	36-00128	2.00	Fish Propagation	01/18/1889
Riley Creek	36-00130	1.50	Fish Propagation	01/18/1889
Springs 11 & 13*	36-00132	6.00	Fish Propagation 6.0 cfs, Domestic 0.89 cfs, Irrigation 0.22 cfs; Stockwater 0.02 cfs	06/15/1910
Bickel Spring Creek	36-15444	20.30	Fish Propagation	01/01/1933
Riley Creek	36-15446	4.50	Fish Propagation	01/01/1933
Spring (Main) & Springs 12,13, &14	36-15448A	11.43	Fish Propagation	01/01/1933
Spring (Main) & Springs 12, 13, & 14	36-15448B	8.57	Fish Propagation	01/01/1950
Spring 15	36-15449	4.50	Fish Propagation	01/01/1933
Len Lewis Spring 16	36-15450	21.20	21.2 cfs for fish propagation during non-irrigation season and 8.0 cfs for fish propagation during irrigation season.	01/01/1950
Spring 17	36-15451	4.59	Fish Propagation	01/01/1959
Springs 8 & 9*	36-00131	1.0	Fish Propagation	06/15/1910
Springs 8 & 9*	36-15447	0.5	Fish Propagation	01/01/1966
Spring 10*	36-00129	1.00	Fish Propagation	01/18/1899
Spring 10*	36-15445	0.6	Fish Propagation	01/01/1966
Springs 8, 9, & 11*	36-08354	1.5	Fish Propagation	05/06/1988
Groundwater	36-08750	0.04	Domestic (Year-round)	03/13/1996
Bickel Spring & Riley Creek	36-15961	20.55	Fish Propagation (5/6 to 6/19)	11/19/2001

* Water diverted for use at the University of Idaho, Hagerman Fish Culture Experiment Station includes Spring 8, 9, 10, & 11 and that portion of Spring 13 used for irrigation.

